

COMPOSITIONS COMPRISING PLANT-DERIVED POLYPHENOLIC COMPOUNDS AND INHIBITORS OF REACTIVE OXYGEN SPECIES AND METHODS OF USING THEREOF

Abstract

Disclosed are methods for treating, preventing, or inhibiting diseases and disorders associated with NF- κ B activation including proliferative diseases such as cancer and inflammatory diseases such as pancreatitis in a subject which comprises administering at least one polyphenolic compound and/or at least one inhibitor of reactive oxygen species to the subject. Also disclosed are pharmaceutical compositions comprising at least one polyphenolic compound and/or at least one inhibitor of reactive oxygen species. The polyphenolic compound may be derived or isolated from plants. In some embodiments, the polyphenolic compound is a flavonoid. In other embodiments, the polyphenolic compound is a non-flavonoid. Other methods and kits are also disclosed as well as pharmaceutical compositions.